

Converting Colors

$Yxy(76.2789, 0.3575, 0.3898)$

Have a look what the booklet for
Yxy(76.2789, 0.3575, 0.3898)
contains.

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Color

Yxy(76.4316, 0.3572, 0.3899)

Conversions

Conversions Part 1

Format	Color
Hex	EDE4AB
RGB	237, 228, 171
RGB Percent	93%, 89%, 67%
CMY	0.0705, 0.1059, 0.3295
CMYK	0.00, 0.04, 0.28, 0.07
HSL	52°, 65%, 80%
HSV	52°, 28%, 93%
XYZ	70.0215, 76.4316, 49.5757
YIQ	224.1930, 23.6610, -15.8190

Conversions

Conversions Part 2

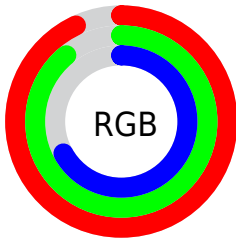
Format	Color
RYB	181, 237, 171
Decimal	15590571
CIELab	90.06, -5.57, 29.00
CIELCh	90, 29.529, 100.878
Yxy	76.4316, 0.3572, 0.3899
Android (android.graphics.Color)	4293780651 (0xFFE4E4AB)
YUV	224.1930, -26.2241, 11.2317
Hunter-Lab	87.4252, -10.0280, 27.5764

Details

The Yxy color **76.4316, 0.3572, 0.3899** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.4085, 0.2651, 0.2597**, and the grayscale version is **74.8670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **40.8984, 0.3666, 0.4049** is the 20% darker color. If you saturate the color by 10%, you get **73.8472, 0.3740, 0.4117**, and if you desaturate by 10%, it is **79.2183, 0.3406, 0.3677**.

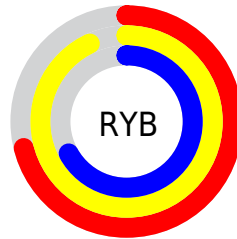
Distribution



Red (93%)

Green (89%)

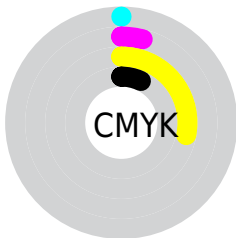
Blue (67%)



Red (71%)

Yellow (93%)

Blue (67%)

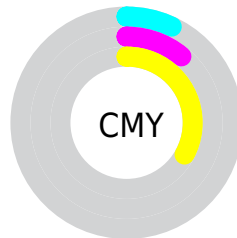


Cyan (0%)

Magenta (4%)

Yellow (28%)

Black (7%)



Cyan (7%)


Magenta (11%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4316, 0.3572, 0.3899 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 76.4316, 0.3572, 0.3899 by changing the saturation by 10% instead.


 76.4316, 0.3572,
0.3899

 76.4316, 0.3572,
0.3899


482.8239, 0.3371,
0.3618

 56.7865, 0.3616,
0.3962


 128.3368, 0.3504,
0.3802

 40.8338, 0.3669,
0.4040


161.3657, 0.3477,
0.3764

 28.1893, 0.3735,
0.4137


199.6246, 0.3453,
0.3732

 18.4684, 0.3817,
0.4261

243.4980, 0.3433,
0.3703

 11.2868, 0.3922,
0.4425

293.3702, 0.3415,
0.3678

 6.2601, 0.4057,
0.4648

349.6257, 0.3399,

 3.0039, 0.4298,

0.3656

0.5046

412.6488, 0.3384,
0.3636

■ 1.1337, 0.4493,
0.5507

■ 0.0066, 0.0000,
1.0000

■ 76.4316, 0.3572,
0.3899

■ 76.4316, 0.3572,
0.3899

■ 73.8472, 0.3740,
0.4117

■ 79.2183, 0.3406,
0.3677

■ 71.4458, 0.3904,
0.4322

■ 82.2052, 0.3246,
0.3457

■ 69.2213, 0.4058,
0.4504

■ 85.4033, 0.3096,
0.3246

■ 67.1630, 0.4195,
0.4652

■ 88.1059, 0.3018,
0.3150

65.2588, 0.4308,
0.4760

90.0380, 0.3018,
0.3183

63.4943, 0.4393,
0.4821

92.0043, 0.3018,
0.3215

61.8502, 0.4450,
0.4839

94.0050, 0.3018,
0.3247

61.5087, 0.4460,
0.4840

96.0403, 0.3018,
0.3279

96.7477, 0.3017,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4316, 0.3784, 0.3739



76.4316, 0.3572, 0.3899



76.4316, 0.3247, 0.3889

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.4316, 0.3572, 0.3899



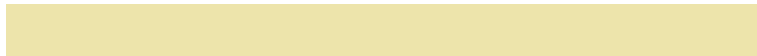
76.4316, 0.2486, 0.3040



76.4316, 0.3333, 0.2936

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



76.4316, 0.3572, 0.3899



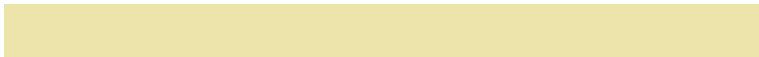
47.4085, 0.2651, 0.2597

Split Complementary

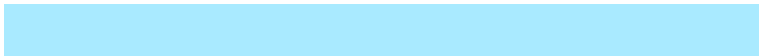
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.4316, 0.2977, 0.2767



76.4316, 0.3572, 0.3899



76.4316, 0.2505, 0.2810

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4316, 0.3572, 0.3899



76.4316, 0.2627, 0.3364



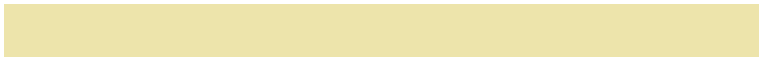
76.4316, 0.2679, 0.2718



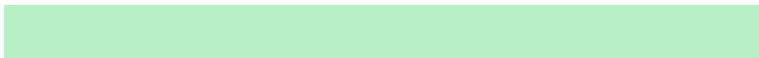
76.4316, 0.3646, 0.3189

Rectangle

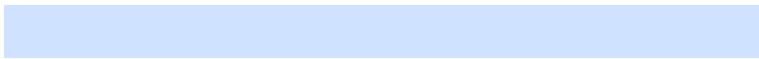
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.4316, 0.3572, 0.3899



76.4316, 0.3013, 0.3773



76.4316, 0.2679, 0.2718



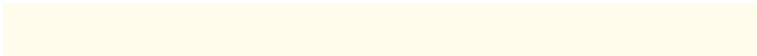
76.4316, 0.3214, 0.2868

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



76.4350, 0.3572, 0.3899



96.9910, 0.3249, 0.3461



50.4545, 0.3645, 0.3181



20.6428, 0.3273, 0.3493



0.0000, 0.0000, 0.0000



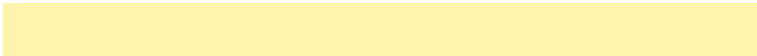
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4350, 0.3572, 0.3899



88.6027, 0.3661, 0.4015



77.7999, 0.3382, 0.4026



17.2558, 0.3271, 0.3492



33.7189, 0.4455, 0.4844



2.7446, 0.4414, 0.4877

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47.4085, 0.2651, 0.2597



49.4556, 0.2549, 0.2442



46.7121, 0.2814, 0.2522



14.8805, 0.2980, 0.3080



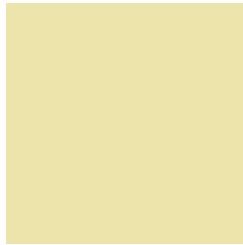
4.0214, 0.1530, 0.0708



0.4208, 0.1586, 0.0908

Previews

White Background



This preview shows how the Yxy color 76.4316, 0.3572, 0.3899 looks on a white background.

Color Contrast Check

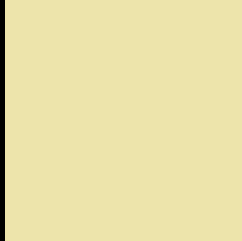
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 76.4316, 0.3572, 0.3899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

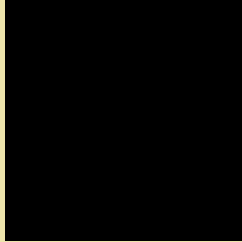
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

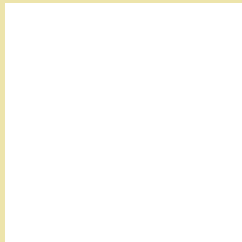
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.4316, 0.3572, 0.3899

Background



This preview shows how black text looks on a background with the Yxy color 76.4316, 0.3572, 0.3899.



This preview shows how white text looks on a background with the Yxy color 76.4316, 0.3572, 0.3899.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.4316, 0.3572, 0.3899

Protanopia

76.3497, 0.3629, 0.3880

Deuteranopia

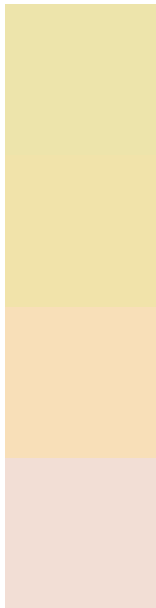
76.2080, 0.3589, 0.3587



Tritanopia

76.1899, 0.3193, 0.3108

Trichromacy



Original Color

76.4316, 0.3572, 0.3899

Protanomaly

76.5412, 0.3611, 0.3893

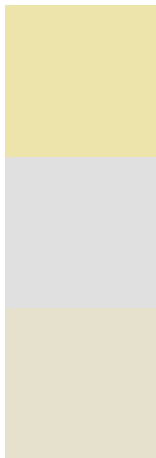
Deuteranomaly

76.1925, 0.3578, 0.3697

Tritanomaly

75.9239, 0.3332, 0.3384

Monochromacy



Original Color

76.4316, 0.3572, 0.3899

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

74.9162, 0.3288, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4316, 0.3572, 0.3899 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(237, 228, 171)` looks like.

```
.text, #text, p{  
    color:rgb(237, 228, 171)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(237, 228, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 228, 171) }
```

Border

The CSS property to change the border of an element to Yxy 76.4316, 0.3572, 0.3899 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(237, 228, 171) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(237, 228, 171) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(237, 228, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 228, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 228, 171);  
box-shadow:4px 4px 4px 4px rgb(237, 228,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4316, 0.3572, 0.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 228, 171) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(237,  
228, 171) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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